

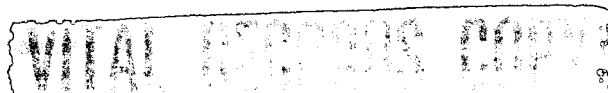
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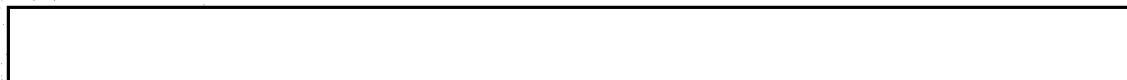


HIGH FREQUENCY

LINEAR ARRAY INSTALLATIONS

USSR

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FIGURE 1 HIGH FREQUENCY LINEAR ARRAYS, USSR

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HIGH FREQUENCY LINEAR ARRAY INSTALLATIONS

USSR

Nine high frequency linear array installations have been identified in the USSR from [] photography (Figure 1). These installations have not been subjected to intensive analysis; however, preliminary analysis indicates a possible function for peripheral military communication trunk lines.

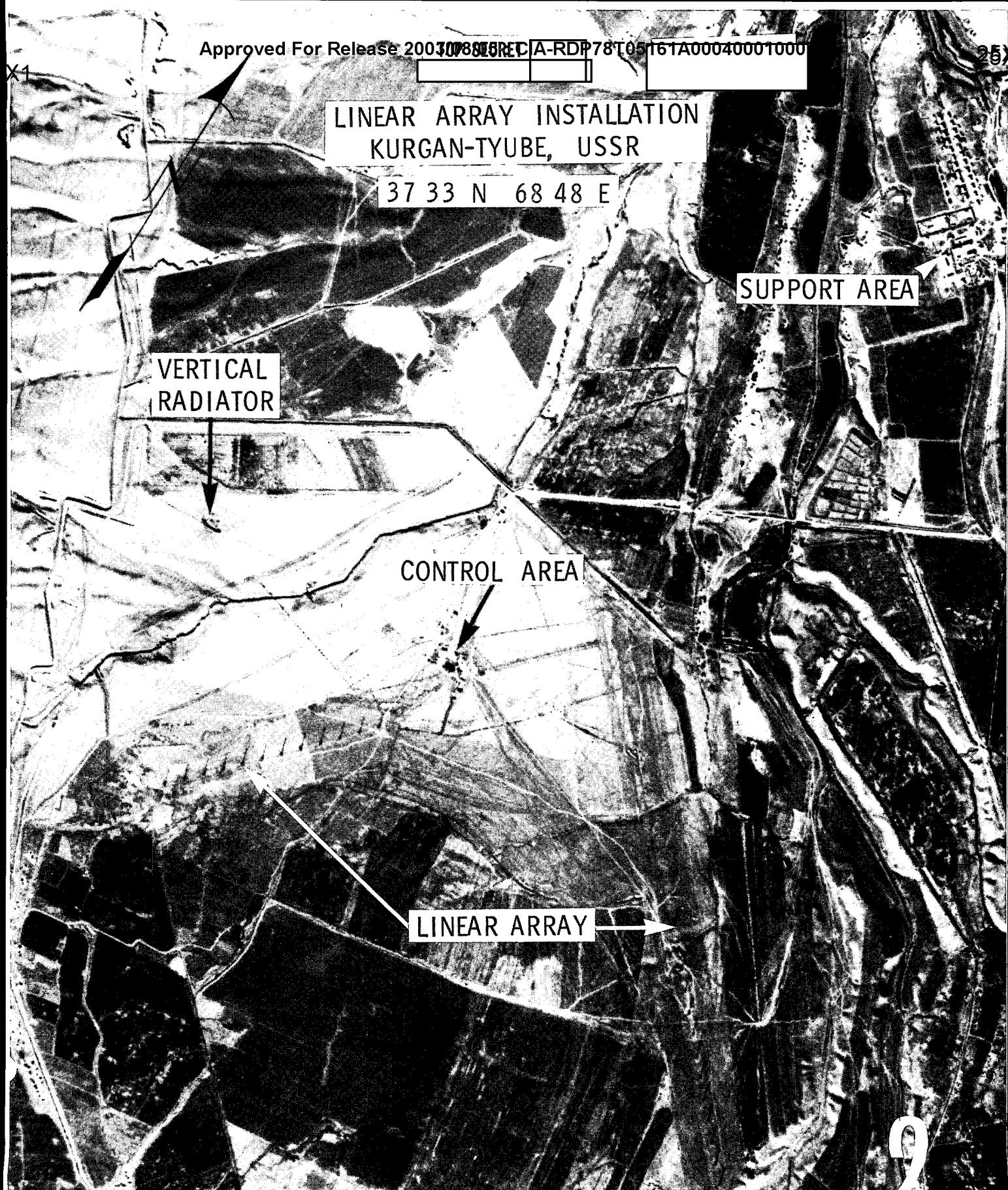
A linear array consists of a number of self-supporting towers equally spaced in a line with multiple buried feed lines emanating from a control building. The total number of towers observed to date in array are either 12, 15, 16, 25, or 26 and overall array length varies from 3,200 feet to 8,200 feet. These arrays are probably designed for end-fire, although they are believed to have a limited capability for broadside radiation patterns.

An example of one of these arrays is located near Kurgan-Tyube, USSR (Figure 2). It is under construction and consists of a 12-tower array, a 25- or 26-tower array, a vertical radiator with extensive ground radials, a control area, and a support area.

REFERENCE

PHOTOGRAPHY





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